

AMENDMENT TO THE CLAIMS

Please amend claims 1, 9, 25, and 27 as indicated below. A complete listing of the claims, including the amended claims follows.

Listing of Claims:

Claim 1. (currently amended) A network device controller comprising:

 a device driver for selectively controlling an end device in a control network, wherein said driver comprises:

 a plurality of input selectors for selecting a plurality of first output signals from a plurality of first input signals;

 at least one intermediate selector for selecting at least one second output signal from said first output signals; and

 an output selector for selecting an operating mode of the end device from a plurality of predefined operating modes ~~base~~ based on said second output signal.

Claim 2. (cancelled)

Claim 3. (original) The device driver as defined in claim 1 wherein said output of each of said input selectors are connected to said plurality of inputs of said at least one intermediate selector, and said output of said at least one intermediate selector is connected to said output selector for selecting said operating mode.

Claim 4. (original) The device driver as defined in claim 3 wherein said output of said at least one intermediate selector is input to a switch and an output of said switch is connected to said output selector for selecting the operating mode, when there are more than one said at least one intermediate selector.

Claim 5. (original) The device driver as defined in claim 1 wherein said plurality of predefined operating modes include a first operating mode in which the end device is operated at any point from a first mode to a second mode.

Claim 6. (original) The device driver as defined in claim 5 wherein said plurality of predefined operating modes include a second operating mode in which the end device is operated at said first mode or said second mode.

Claim 7. (original) The device driver as defined in claim 6 wherein said plurality of predefined operating modes include a third operating mode in which the end device is operated at said first mode.

Claim 8. (original) The device driver as defined in claim 7 wherein said plurality of predefined operating modes include a third operating mode in which the end device is operated at said second mode.

Claim 9. (currently amended) The device driver as defined in claim 1 wherein said plurality of input selectors are connected to a first common input select signal for

selecting said first output signals, and said at least one intermediate selector is connected to ~~second~~ a second common input select signal for selecting said second output signal.

Claim 10. (original) The device driver as defined in claim 1 wherein each of said plurality of first input signals corresponds to one of said predefined operating modes.

Claim 11. (previously presented) A method of selectively controlling a end device in a control network, said method comprising the steps of:

selecting a plurality of first output signals from a plurality of first input signals using a device driver provided in a controller;

selecting a second output signal from said plurality of first output signals using said device driver; and

selecting an operating mode of the end device from a plurality of predefined operating modes based on said second output signal using said device driver.

Claim 12. (original) The method as defined in claim 11 wherein said plurality of predefined operating modes include a first operating mode in which the end device is operated at any point from a first mode to a second mode.

Claim 13. (original) The method as defined in claim 12 wherein said plurality of predefined operating modes include a second operating mode in which the end device is operated at said first mode or said second mode.

Claim 14. (original) The method as defined in claim 13 wherein said plurality of predefined operating modes include a third operating mode in which the end device is operated at said first mode.

Claim 15. (original) The method as defined in claim 14 wherein said plurality of predefined operating modes include a third operating mode in which the end device is operated at said second mode.

Claims 16-24. (cancelled)

Claim 25. (currently amended) The device driver as claimed in claim 1, wherein said device ~~drive~~ driver is comprised of separate software modules corresponding to different devices.

Claim 26. (previously presented) The device driver as claimed in claim 1, wherein said device driver is incorporated in a LON control network.

Claim 27. (currently amended) A network device controller for selectively controlling a plurality of devices in a control network, said controller comprising:
a plurality of device drivers for controlling a plurality of devices in said control network, wherein each said driver comprises:
one or more selectors for selecting a plurality of first output signals

from a plurality of first input signals;

one or more selectors for selecting at least one second output signal from said first output signals; and

one or more selectors for selecting an operating mode of the end device from a plurality of predefined operating modes ~~base~~ based on said second output signal.

Claim 28. (previously presented) A device driver as defined in claim 27 wherein said plurality of predefined operating modes include a first operating mode in which the end device is operated at any point from a first mode to a second mode.

Claim 29. (previously presented) A device driver as defined in claim 28 wherein said plurality of predefined operating modes include a second operating mode in which the end device is operated at said first mode or said second mode.

Claim 30. (previously presented) A device driver as defined in claim 29 wherein said plurality of predefined operating modes include a third operating mode in which the end device is operated at said first mode.